

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	9	(transmit\$4 with (inactive near3 (carrier\$1 or sub\$1carrier)))"clm."	US-PGPUB	OR	ON	2007/11/26 10:20
S1	4	(OFDM or (orthogonal near3 frequency)) same (inactive with carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 10:12
S2	59	(OFDM or (orthogonal near3 frequency)) and ((in\$1active or unuse\$1) with carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 13:54
S3	30	(OFDM or (orthogonal near3 frequency)) and ((in\$1active or unuse\$1) with bin\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 13:33
S4	17	(OFDM or (orthogonal near3 frequency)) and ((inoperative or idle) with carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 15:38
S5	350	(OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:47
S6	7	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/204.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13
S7	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/205.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13
S8	18	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/208.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13
S9	22	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/210.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13
S10	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/281.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13
S11	5	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/344.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:13

## EAST Search History

S12	2	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/436.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S13	8	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/478.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S14	12	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/480.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S15	1	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 370/481.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S16	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/66.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S17	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/143.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:14
S18	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/137.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:15
S19	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/139.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:15
S20	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/192.1.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:15
S21	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/273.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:15
S22	0	((OFDM or (orthogonal near3 frequency)) and (differential with (encod\$4 or modulat\$4))) and 455/275.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:15
S23	9	(OFDM or (orthogonal near3 frequency)) and (TII)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 16:58

## EAST Search History

S24	4	("5787123"   "5796785"   "5850605"   "5946293").PN.	USPAT	OR	ON	2002/10/28 16:51
S25	3	("5483686"   "5483690"   "5692016").PN.	USPAT	OR	ON	2002/10/28 16:53
S26	2	TII with (in\$1active or unuse\$1) with carrier\$1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:25
S27	2	TII same (in\$1active or unuse\$1) with carrier\$1	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/28 17:00
S28	6	((OFDM or (orthogonal near3 frequency)) and (DAB or (satellite\$1 with broadcast\$3))) and TII	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/29 12:52
S29	439	(OFDM or (orthogonal near3 frequency)) and (DAB or (satellite\$1 with broadcast\$3))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/29 13:01
S30	7	((OFDM or (orthogonal near3 frequency)) and (DAB or (satellite\$1 with broadcast\$3))) and ((unuse\$1 or in\$1active or idle) with carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 13:38
S31	79	(OFDM or (orthogonal near3 frequency)) and ((unuse\$1 or in\$1active or idle) with (bin\$1 or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:10
S32	31	(OFDM or (orthogonal near3 frequency)) and (fill\$3 with (bin\$1 or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:45
S33	8	(OFDM or (orthogonal near3 frequency)) and (pad\$4 with (bin\$1 or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:34
S34	522	(OFDM or (orthogonal near3 frequency)) and ((insert\$3 or fill\$3 or pad\$4 near3 zero\$1) with (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:49

## EAST Search History

S35	7	(OFDM or (orthogonal near3 frequency)) and (((insert\$3 or fill\$3 or pad\$4) near3 zero\$1) same (in\$1active or un\$1active or idle or unuse\$1 or left\$1over or remain\$3 or in\$1operative) same (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1)))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:54
S36	2	(OFDM or (orthogonal near3 frequency)) and (((insert\$3 or fill\$3 or pad\$4) with TII) same (in\$1active or un\$1active or idle or unuse\$1 or left\$1over or remain\$3 or in\$1operative) same (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1)))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 15:56
S37	3	(OFDM or (orthogonal near3 frequency)) and (((insert\$3 or fill\$3 or pad\$4) with (id\$1 or identifier\$1)) same (in\$1active or un\$1active or idle or unuse\$1 or left\$1over or remain\$3 or in\$1operative) same (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1)))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 17:10
S38	177	(OFDM or (orthogonal near3 frequency)) and (zero\$1 same (in\$1active or un\$1active or idle or unuse\$1 or left\$1over or remain\$3 or in\$1operative) same (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1)))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 17:13
S39	60	((OFDM or (orthogonal near3 frequency)) and (zero\$1 same (in\$1active or un\$1active or idle or unuse\$1 or left\$1over or remain\$3 or in\$1operative) same (bin\$1 or tone\$1 or frequenc\$3 or channel\$1 or carrier\$1)))) and "370"/\$.cccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2002/10/30 17:14
S40	3165	((unuse\$1 or inactive) with carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/04/16 08:35
S41	65	((((unuse\$1 or inactive) with carrier\$1)) and ofdm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/04/16 10:52
S42	4	((((unuse\$1 or inactive) with carrier\$1) same power) and ofdm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/04/16 10:53

## EAST Search History

S43	2	TII same ((inactive or unuse\$1) near3 carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/09/09 14:15
S44	5	(transmitter with (id or identif\$7)) same ((inactive or unuse\$1) near3 carrier\$1)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/09/09 14:14
S45	2	((transmitter with (id or identif\$7)) same ((inactive or unuse\$1) near3 carrier\$1)) and ofdm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/09/09 14:14
S46	10	TII and ofdm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2003/09/09 14:16
S60	233	(OFDM or (orthogonal near3 frequency)) and ((in\$1active or null or un\$1use\$1) near3 (tone or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/03 16:22
S61	16	(OFDM or (orthogonal near3 frequency)) and TII	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/03 16:22
S62	235	\$2ofdm and ((in\$1active or un\$1use\$1 or null or idle) near3 (carrier or tone or bin))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/04 11:15
S64	502	\$2ofdm and dab	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/04 11:11
S65	416	S64 and carrier	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/04 11:12
S66	169	S65 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/04 11:12
S67	490	((in\$1active or un\$1use\$1 or null or idle) near3 carrier) same (sender or transmit\$4 or source)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/03/04 11:16
S68	382	((orthogonal near3 frequency) or ofdm) and ((un\$1use\$1 or in\$1active or null or idle) with (carrier or tone))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/20 17:19

## EAST Search History

S69	163	S68 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/21 16:41
S70	382	((orthogonal near3 frequency) or ofdm) and ((un\$1use\$1 or in\$1active or null or idle) with (carrier or tone))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/21 16:57
S71	179	S70 and "375"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/22 12:12
S72	382	((orthogonal near3 frequency) or ofdm) and ((un\$1use\$1 or in\$1active or null or idle) with (carrier or tone))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/22 13:36
S73	11	S72 and tii	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/22 12:12
S74	3	("5726978"   "5818872"   "6411662").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/22 12:23
S78	394	((orthogonal near3 frequency) or ofdm) and ((un\$1use\$1 or in\$1active or null or idle) with (carrier or tone or bin))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/22 13:36
S79	61	S78 and 370/204,205,208,210.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2005/07/22 13:40
S80	190	(OFDM or (orthogonal near3 frequency)) same ((inactive or unuse\$1) with (tone or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 10:33
S81	344	(OFDM or (orthogonal near3 frequency)) and ((inactive or unuse\$1) with (tone or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 10:34
S82	291	(OFDM or (orthogonal near3 frequency)) and ((inactive or unuse\$1) near3 (tone or carrier\$1))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 11:06
S83	137	S82 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 11:27

## EAST Search History

S84	4659	((inactive or unuse\$1 or un-use\$1 or dummy or idle) near3 (tone or carrier\$1 or sub\$1carrier))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 11:43
S85	438	(insert\$3 or transmit\$4 or send\$3) with ((inactive or unuse\$1 or un-use\$1 or dummy or idle) near3 (tone or carrier\$1 or sub\$1carrier))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 06:51
S86	145	S85 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/21 11:44
S87	59	(insert\$3) with ((inactive or unuse\$1 or un-use\$1 or dummy or idle) near3 (tone or carrier\$1 or sub\$1carrier))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/23 10:47
S88	1584	(insert\$3 or transmit\$4 or send\$3 or transmission) with ((inactive or unuse\$1 or un-use\$1 or dummy or idle) near3 (tone or carrier\$1 or sub\$1carrier or frequency))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:47
S89	224	S88 and ofdm	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:29
S90	709	S88 and @ad<"20000917"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:48
S91	199	S90 and "370"/\$.ccls.	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:50
S92	383	(insert\$3 or transmit\$4 or send\$3 or transmission) with ((inactive or unuse\$1 or un-use\$1 or dummy or idle) near3 (carrier\$1 or sub\$1carrier))	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 10:19
S93	188	S92 and @ad<"20000917"	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:48
S94	56	S93 and ("370"/\$.ccls. or "455"/\$.ccls)	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2007/11/26 07:50